Prof. Dennis M. Manos
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Position: CSX Professor of Physics and Applied Science, and Director, Applied Research Center at Newport News

EDUCATION

B.S., Case Institute of Technology;
Ph.D., Ohio State University.
Post-doctoral Fellow, Univ. of Toronto 1976-1978

OTHER POSITIONS

Staff Physicist Princeton Univ., 1980-1983, Research Physicist, Princeton Univ. 1983-1987, Principal Research Physicist, Princeton Univ., 1987-1992, Plasma Physics Lab: Branch Head 1988-1990, Division Head 1990-1992, Vice-President of Technology, Materials Research Corporation, 1987, President, Princeton Scientific Consultants, Inc., 1990-1992, Eminent Professor, College of William and Mary, 1992-, Visiting Research Scientist, CEBAF, 1992- ,Visiting Research Scientist NASA Langely, 1992 - , Adjunct Professor of Physics, Hampton Univ, 1993- , Distinguished Research Professor Chengdu University, China 1994-1997, Member, Board of Advisors, Materials Science and Engineering Department Advisory Board, VPISU.

GENERAL

Professor Dennis Manos is an eminent scholar at the College of William and Mary, who holds an endowed chair as a full professor in both the Physics and Applied Science Departments. He is also the Director of William and Mary's campus-wide Materials Processing Research Program, and has served for 5 years as the Managing Director of the University Consortium known as the Applied Research Center at Newport News, which operates 27 fully equipped laboratories in a 127,000 sq. ft. building adjacent to the Thomas Jefferson National Accelerator Facility. Prior to arriving at William and Mary, Professor Manos held a series of research faculty and management positions at Princeton University, where he worked at the Princeton Plasma Physics Laboratory. He also helped to found and operate a technical consulting firm, Princeton Scientific Consultants, and during a period away from the university in 1987, served as Vice-President of a major semiconductor equipment manufacturing firm. Professor Manos has published more than 240 articles in a wide variety of fields including chemical physics, plasma diagnostic, nuclear fusion, materials science, and most recently in biological applications of physics. His group currently supports projects in plasma modification of materials, nanomaterials for high-brightness electron sources for microwave applications, the creation of intense ultra-violet sources for biological and materials applications, the development of molecular motor proteins for biosensor applications, and the use of advanced forms of time-of-flight mass spectrometry for the early detection of cancer. Professor Manos has

served on a number of local and national science advisory groups, and has recently performed research or development work in partnership with numerous federal and state agencies including NSF, CIT, VSGC, NASA, ONR-NRL, AFOSR, DOE, and DARPA, as well as with various corporate partners including Applied Materials, Brontek, IBM, Sematech, Kodak, DuPont, Mission Research Corporation, Stress Photonics, Materials Research Company, Edison Welding Institute, Sony, Canon, ATT, Solarex, HyTech, ASM, SAIC, and others.